## IAP16 Rec'd PCT/PTO 18 SEP 2006

Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Inc	ter the Pap	erwork Reduction Act of	of 199	5, no persons are required to	espond to a collection of information unless it contains a valid OMB control number			
	Substitu	ite for form 1449A/PTO			Complete if Known			
					Application Number	10/595184		
				SCLOSURE	Filing Date			
	STA	ATEMENT B	Y A	APPLICANT	First Named Inventor	Volker BOSCH et al.		
				. /	Art Unit			
		(use as many shee	ets as	s necessary)	Examiner Name			
Ū	Sheet	1		2	Attorney Docket Number	R.306090		

			U.S. PAT	ENT DOCUMENTS	
Examiner Initials	Cite No.1	Number Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Cotumns, Lines, Where Relevant Passages or Relovant Figures Appear
		US- 4,912,378	03-27-1990	Slobodan Vukosavic	
		US- 5,117,165 A	05-26-1992	Alain M. Cassat et al.	
		US- 2001/0030517 A1	10-18-2001	Todd D. Batzel	
		US-			

				FOR	EIGN PATENT DOC	UMENTS		
Examiner	Cite	Foreign Patent Document			Publication Date	Neme of Petentee or	Pages, Columns, Lines, Where Relevant	T
Initials	No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind <sup>‡</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T⁵
					4			
-						╁		
-	_	<del>                                     </del>						+
								$\vdash$
			l					

Signature	Considered	12.02.2000	)
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M considered. Include copy of this form with next communication to applicant. *Applicant's unit			

Examiner

/David Luo/

consoleds inclose copy on the form with next committed and is platford." Applicants without caused beginned inflated operation is splitted in a platford. The properties of the platford of the region of the inflated of the platford of the

This collection of Information is required by 37 CFR 1.97 and 1.98. The Information is required to obtain or relatin a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiating is governed by 36 U.S.C. 1.22 and 37 CFR 1.14. This collection is estimated to 2-bux to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments not the amount of time by orequire to completed this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Pelant and Trademark Office, U.S. Department of Commence, P.O. Box 1450, Abexandria, V.A. 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO Commissioner for Patenta, P.O. Box 1450, Abexandria, V.A. 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Date

12/02/2008

## IAP16 RSC'0 PUTIFTO 13 SEP 2006 U.S. Patent and Approved for use through option of collegious control to a collection of information of the destriction of the destr

Officer are	Faperwork Reduced	JII ACI OI	1995, no persons are required	to respond to a conscitor or union latter chiese it contains a valid civil contain intimide			
Substit	ute for form 1449B/F	ото		Complete If Known 7 1 8 4			
				Application Number	10/2/2104		
INF	ORMATIC	)N D	ISCLOSURE	Filing Date			
STA	TEMENT	RY	APPLICANT	First Named Inventor	Volker BOSCH et al.		
0.,			741 - 21074111	Art Unit			
	(use as man	y sheet:	s as necessary)	Examiner Name			
Sheet	2	of	2	Attorney Docket Number	R.306090		

	_	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	_
xaminer nitials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), votume-issue number(s), publisher, city and/or country where published.	T2
		T. NOGUCHI et al., "Mechanical-ensorless permanent-magnet motor drive using relative phase information of harmonic currents caused by frequency-modulated three-phase PWM carriers", IEEE Transactions on Industry Application, July 2003, Pages 1083-1092, Volume 39, Issue 4, U.S.A	
		Y. JEONG et al., "Initial roor position estimation of an interior permanent-magnet synchronous machine using carrier-requency injection methods," IEEE International Electric Machines and Drives Conference, June 2003, Pages 1218-1223, Volume 2, U.S.A.	
	Н		L
	ı		1

(	Examiner	/David Luo/	Date	12/02/2008

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and r

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

<sup>\*</sup>Applicant's unique chatien designation number (optional). \*Applicant is to place a chack mark how if English terguage Translation is stateded.

This collection of information is required by 27 CFR 18 Dr. in termination is not required to obtain or relatin a benefit by the gubble which is to lise (and by the USFY 10 process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes or complete, including gathering, preprint, and submitting the completed application form to the USFYTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commence, P.O. Box 1459, Alexandrie, N.A. 2233-1450. DO NOT SEND FEES OR COMPLETED FORNS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1459, Alexandria, N.A. 2233-1450.